Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300, of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Dominion Resources, Inc.
Facility Name:	Pittsylvania Power Station
Facility Location:	821 Grit Road Hurt, Virginia
Registration Number:	30871
Permit Number:	SCRO-30871

January 1, 2008
Effective Date

August 6, 2008
Amendment Date

December 31, 2012
Expiration Date

_____
Regional Director

August 6, 2008
Signature Date

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I. Facility Information

Permittee
Dominion Resources, Inc.
5000 Dominion Boulevard
Glen Allen, Virginia 23060

Responsible Official
Donnie C. Craft, Jr.
Station Director

Facility
Pittsylvania Power Station
821 Grit Road
Hurt, Virginia 24563

Contact Person
Cathy C. Taylor
Director, Environmental Services
804-273-2929

State-County-Plant Identification Number: 51-143-0123

Facility Description: NAICS 221119 – Pittsylvania Power Station is authorized to operate a power production facility located in Hurt, Virginia. The plant uses three identically sized wood-fired spreader stoker boilers (Units 101-103), each having a rated capacity of 373.3 MMBtu/hr (heat input) to generate steam. The steam from the three boilers is directed to two turbine-driven electric generators, each with a rated maximum generating capacity of 45 megawatts (MW) of electrical power. The facility also contains one auxiliary diesel generator (Unit 110) and associated fuel storage tanks, wood storage, and handling equipment and ash handling and storage.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
Fuel Burning Equipment							
101, 102, 103	S1	Spreader stoker wood-fired boiler to generate steam to produce electricity	373.7 MMBtu/hr each	Multicyclone Electrostatic Precipitator SNCR/urea injection	EC-S101 EC-S102 EC-S103	PM PM NO_x	July 1, 2008
110	S2	Caterpillar diesel generator	14.68 MMBtu/hr				July 1, 2008

*The Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements – (Units 101, 102, and 103)

A. Limitations

1. Particulate emissions from each primary wood boiler (Units 101, 102, 103) shall be controlled by multicyclone/electrostatic precipitator combination rated at 99.7 percent control efficiency. The multicyclones and ESPs shall be provided with adequate access for inspection. The permittee shall operate the facility in accordance with the startup/shutdown plan submitted to DEQ on March 10, 1997, as amended June 22, 1998.
   (9 VAC 5-80-110 and Condition 3 of NSR permit effective July 1, 2008)

2. Nitrogen oxide emissions from the wood boilers (Units 101, 102, 103) shall be controlled by the use of a selective noncatalytic reduction/urea injection system designed to achieve a minimum removal of 50 percent on a thirty day rolling average basis. The control system shall operate at all times that fuel is fed to the main boilers, except for specific time periods during startup and shutdown. The permittee shall operate the facility in accordance with the startup/shutdown plan submitted to DEQ on March 10, 1997, as amended June 22, 1998.
   (9 VAC 80-110 and Condition 7 of NSR permit effective July 1, 2008)

3. The boilers (Units 101, 102, 103) shall consume no more than a total of 1,048,512 tons of wood per year (on a 40 percent moisture content basis), calculated monthly as the sum of each consecutive 12-month period.
   (9 VAC 5-80-110 and Condition 11 of NSR permit effective July 1, 2008)

4. The approved fuel for the three spreader stoker boilers (Units 101, 102, 103) is wood. "Wood" is defined for the purpose of this condition as wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues. This definition does not include wood contaminated with, but not limited to finishing materials, laminated coatings, adhesives, and lacquers. A change in the fuels may require a permit to modify and operate. Upon the request of the Department, the permittee shall obtain an analysis of the wood to be approved by the Department to verify compliance with this condition. In addition, the permittee shall maintain records of all wood shipments, including origin of shipment and a certification that the wood fuel meets the definition of wood as stated in this condition. These records shall be available on site for the inspection by Department personnel and shall be kept current for the most recent five-year period.
   (9 VAC 5-80-110 and Condition 20 of NSR permit effective July 1, 2008)

5. The permittee shall obtain the following analyses:

   a. An analysis of the wood heat content at least once per week.

   b. An analysis of the wood sulfur content at least once per quarter.

   c. An analysis of the wood to verify compliance with Condition 20 of this permit, at the request of the Department but no more than once per week.

   Details of the sampling procedure shall be arranged with the South Central Regional Office. Records of fuel quality analysis shall be available on site for inspection by Department personnel and shall be kept current for the most recent five year period. (9 VAC 5-80-110 and Condition 21 of NSR permit effective July 1, 2008)

6. Emissions from the operation of each wood fired boiler shall not exceed the limits specified below:

Particulate Matter	0.02 lb/10^6Btu	7.47 lb/hr	(9 VAC 5-50-260)
PM-10	0.02 lb/10^6Btu	7.32 lb/hr	(9 VAC 5-50-260)
Sulfur Dioxide 30-day rolling avg.	0.016 lb/10^6Btu	6.0 lb/hr	(9 VAC 5-50-260)
Nitrogen Oxides 30-day rolling avg.	0.10 lb/10^6Btu	37.4 lb/hr	(9 VAC 5-50-260)
Carbon Monoxide	0.35 lb/10^6Btu	130.8 lb/hr	(9 VAC 5-50-260)
Volatile Organic Compounds	0.07 lb/10^6Btu	26.2 lb/hr	(9 VAC 5-50-260)
Ammonia	10.0 lb/hr	240.0 lb/day	
Benzene	5.2 lb/hr	125.0 lb/day	
Fluorides (as HF)	6.4 x 10^{-1} lb/hr	15.4 lb/day	
Formaldehyde	3.7 x 10^{-1} lb/hr	8.9 lb/day	
Naphthalene	3.6 x 10^{-2} lb/hr	8.7 x 10^{-1} lb/day	
Phenol	1.9 lb/hr	45.6 lb/day	

(9 VAC 5-80-110 and Condition 13 of NSR permit effective July 1, 2008)

7. Emissions from the combined operation of the three wood fires boilers (Units 101, 102, and 103) shall not exceed the limits specified below:

Sulfur Dioxide 3-hour rolling average	0.016 lb/10^6Btu	54.0 lb/hr	(9 VAC 5-50-260)
Sulfuric Acid Mist	0.22 lb/hr	5.38 lb/day	(9 VAC 5-50-260)

(9 VAC 5-80-110 and Condition 14 of NSR permit effective July 1, 2008)

8. Annual Emissions from the combined operation of the three boilers (Units 101, 102, and 103) shall not exceed the limits specified below:

Particulate Matter Particulate	96.4 ton/yr	(9 VAC 5-50-260)
PM-10	94.5ton/yr	(9 VAC 5-50-260)
Sulfur Dioxide	77.1 ton/yr	(9 VAC 5-50-260)
Nitrogen Oxides	482.1 ton/yr	(9 VAC 5-50-260)
Carbon Monoxide	1687.3 ton/yr	(9 VAC 5-50-260)
Volatile Organic Compounds	337.5 ton/yr	(9 VAC 5-50-260)

(9 VAC 5-80-110 and Condition 15 of NSR permit effective July 1, 2008)

9. Visible emissions from the boilers' (Units 101, 102, 103) stack shall not exceed ten (10) percent opacity as would be determined by EPA Method 9 (ref. 40 CFR 60, App. A) Except during one six-minute period per hour which shall not exceed twenty (20) percent opacity. This condition applies at all times except during start-up, shutdown, or malfunction. Monitoring for visible emissions shall be performed in accordance with Conditions III.B.1and III.B.2, below.
(9 VAC 5-50-260, 9 VAC 5-80-10 H and Condition 18 of NSR permit effective July 1, 2008)

10. In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment, air pollution control equipment or monitoring equipment, the permittee shall:

a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

b. Maintain a spare parts inventory for equipment associated with all air pollution control and monitoring equipment to minimize down time during periods of malfunction.

If such failure, malfunction, or unscheduled maintenance is unreasonably affecting the public health, safety or welfare, the South Central Regional Office may order the permittee to cease such pollution immediately.
(9 VAC 5-80-110 and Condition 27 of NSR permit effective July 1, 2008)

11. The requirements of 40 CFR 60 Subpart Db – Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, including future revisions and applicable requirements of 40 CFR part 60, Subpart A apply to the three spreader stoker wood-fired boilers (Units 101, 102, and 103)
(9 VAC 5-50-410, 40 CFR 60.4b, and 40 CFR 60, Subpart A)

B. Monitoring

1. Continuous emission monitors shall be installed to measure and record opacity (one opacity monitor for the three boilers), and the concentrations of NOx and either CO2 or O2 emitted from each of the wood boilers. The opacity monitor shall be maintained, located and calibrated in accordance with approved procedures in 40 CFR 60.13. The NOx and either CO2 or O2 monitors shall be maintained, located and calibrated as specified in 40 CFR 60 Appendix B and Appendix F. Records of service and maintenance will be kept on file for two years. The monitors shall be operated when the boilers are operating. The opacity monitor shall be operated as required by 40 CFR 60, Subpart Db. A 30-day notification prior to the demonstration of continuous monitoring system performance (and any subsequent notifications), are to be submitted to the South Central Regional Office.
(9 VAC 5-80-110 and Condition 24 of NSR permit effective July 1, 2008)

2. The continuous monitoring data generated by the continuous emission monitors on the boilers shall be used to determine compliance with the emissions and opacity standards. The opacity monitor reporting requirements of 40 CFR 60, Subpart Db shall apply. The data capture, quality assurance provisions, and reporting requirements of 40 CFR 60, Subpart Db shall apply to the NO_x and either CO_2 or O_2 monitors.
(9 VAC 5-80-110 and Condition 25 of NSR permit effective July 1, 2008)

3. For all boiler continuous emission monitors required by this permit, the continuous monitoring and quality assurance data may, at the discretion of the Board, be used as

evidence of violation of the emission standards. These monitors are subject to such data capture requirements and/or quality assurance requirements as may be deemed appropriate by the Board (refer to 40 CFR 60.13 and 40 CFR 60, Appendices B and F).
(9 VAC 5-80-110 and Condition 26 of NSR permit effective July 1, 2008)

4. **Compliance Assurance Monitoring (CAM) -** The permittee shall implement an approved Compliance Assurance Monitoring (CAM) Plan to monitor the muticyclones and ESPs controlling PM from the three boilers (Units 101, 102, and 103. The approved monitoring plan shall be the attached CAM Plan (Attachment A) or the most recent revision to this plan that has been: (1) developed and approved pursuant to 40 CFR 64.7(e) and Condition III.B.11; (2) revised pursuant to a Quality Improvement Plan in accordance with 40 CFR 64.8 and Condition III.B.12; or (3) otherwise approved by the DEQ conforming with Condition III.B.5 of this section, including, but not limited to, changes initiated by DEQ.

   (9 VAC 5-80-110 and 40 CFR 64.6(c))

5. **Compliance Assurance Monitoring (CAM) -** Each monitor shall be operated according to manufacturer's specifications, unless other methods are approved, and in compliance with 40 CFR 64.3(b) or (d). The approved CAM Plan shall include, at a minimum, the following information:

   a. Indicator;
   b. Measurement Approach;
   c. Indicator Range or Condition(s) for Range Development; and
   d. The following performance criteria:
      i. Data Representativeness;
      ii. Verification of Operational Status;
      iii. QA/QC Practices and Criteria;
      iv. Monitoring Frequency;
      v. Data Collection Procedures; and
      vi. Averaging Period.

   Changes to the CAM Plan pertaining to the information in this condition require prior approval by the DEQ and may require public participation according to the requirements of 9 VAC 5-80-230.
   (9 VAC 5-80-110 E and 40 CFR 64.6(c))

6. **Compliance Assurance Monitoring (CAM) -** The permittee shall conduct the monitoring and fulfill the other obligations specified in 40 CFR 64.7 through 40 CFR 64.9.

   (9 VAC 5-80-110 E and 40 CFR 64.6(c))

7. **Compliance Assurance Monitoring (CAM) -** At all times, the permittee shall maintain the monitoring equipment, including, but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

   (9 VAC 5-80-110 E and 40 CFR 64.7(b))

8. **Compliance Assurance Monitoring (CAM) -** Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation at all times that the boilers (Units 101, 102, and 103) are operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of compliance assurance monitoring, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The permittee shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by inadequate maintenance or improper operation are not malfunctions.

   (9 VAC 5-80-110 E and 40 CFR 64.7(c))

9. **Compliance Assurance Monitoring (CAM) -** Upon detecting an excursion or exceedance, the permittee shall restore operation of the boilers (Units 101, 102, and 103) (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup and shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator, designated condition, or below the applicable emission limitation or standard, as applicable.

   (9 VAC 5-80-110 E and 40 CFR 64.7(d) (1))

10. **Compliance Assurance Monitoring (CAM) -** Determination that acceptable procedures were used in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

    (9 VAC 5-80-110 E and 40 CFR 64.7(d)(2))

11. **Compliance Assurance Monitoring (CAM) -** If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly (in accordance with Condition IX.E.) notify the Director, South Central Regional Office and submit a revised CAM Plan for approval to the Director, South Central Regional Office to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

    (9 VAC 5-80-110 E, 40 CFR 64.7(e), and 40 CFR 64.6(c))

12. **Compliance Assurance Monitoring (CAM) -** If the number of exceedances or excursions exceeds 5 percent duration of the operating time for the boilers (Units 101, 102, and 103) for a semiannual reporting period (as established in Condition IX.C.3), or as otherwise required by the DEQ in accordance with review conducted under 40 CFR 64.7(d)(2), the permittee shall develop, implement and maintain a Quality Improvement Plan (QIP) in accordance with 40 CFR 64.8. If a QIP is required, the permittee shall have it available for inspection at the permitted facility. In the event that changes are made to the CAM Plan as a result of a QIP, the permittee shall record the revision date on Page 1 of the CAM Plan and monitor in accordance with the most recent CAM Plan. The permittee shall submit a copy of the most recent CAM Plan to the Director, South Central Regional Office within 30 days of the revision date. For the purposes of this condition, the most recent version of the CAM Plan shall be based on the date as shown on page 1 of the CAM Plan.

    (9 VAC 5-80-110 E and 40 CFR 64.8(a) and (b))

13. **Compliance Assurance Monitoring (CAM) -** Monitoring imposed under 40 CFR Part 64 shall not excuse the permittee from complying with any existing requirements under federal, state, or local law, or any other applicable requirement under the Act, as described in 40 CFR 64.10.

    (9 VAC 5-80-110 and 40 CFR 64.10)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

    a. Annual tons of wood throughput for the facility for the boilers (units 101, 102, and 103). The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period.

b. All reports and record required by 40 CFR 60 Subpart Db.

c. Records of wood shipments as required by Condition III.A.4.

d. Record of scheduled and no-scheduled maintenance as required by Condition III.A.10.a.

e. The permittee shall maintain records of the pollutant-specific emission factors, "F" factor, and the equations used to determine compliance with emissions limits in Condition III.A.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent (5) years.

(9 VAC 5-80-110 and Condition 30 of NSR permit effective July 1, 2008)

2. The permittee shall maintain records of the required training including a statement of time, place and nature training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boiler(s). These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.

   (9 VAC 5-80-110 and Condition 30 of NSR permit effective July 1, 2008)

3. **Compliance Assurance Monitoring (CAM) Recordkeeping -** The permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan (QIP) required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan (QIP), and other supporting information required to be maintained under 40 CFR Part 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

   (9 VAC 5-80-110 F and 40 CFR 64.9(b))

D. Testing

1. Once each permit term, at a frequency not to exceed once every five years, the permittee shall conduct a stack test for PM, PM-10, and CO from each boiler (Units 101, 102, 103) to demonstrate compliance with the applicable pounds per million Btu and hourly emission limits contained in this permit. The initial test shall be performed within 180 days after the effective date of this permit. The test shall be conducted and reported and data reduced as set forth in 9 VAC 5-50-30. The details of the tests shall be arranged with the South Central Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing. Two copies of the test results shall be submitted to the South Central Regional Office within 60 days after

test completion and shall conform to the test report format enclosed with this permit. (9 VAC 5-80-110)

2. The permitted facility shall be constructed so as to allow for emissions testing using appropriate methods upon reasonable notice at any time. Upon request from the Department, test ports shall be provided at the appropriate locations.

   (9 VAC 5-80-110 and Condition 29 of NSR permit effective July 1, 2008)

3. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.

   (9 VAC 5-80-110)

E. Reporting

1. Excess emission and monitoring system performance reports shall be submitted to the South Central Regional Office semi-annually in accordance with 40 CFR 6049b.

   (9 VAC 5-50-30, 9 VAC 5-80-110, and 40 CFR 60.49b)

2. **Compliance Assurance Monitoring (CAM) Reporting** - The permittee shall submit CAM reports as part of the Title V semi-annual monitoring reports required by General Condition IX.C.3 below of this permit to the Director, South Central Regional Office. Such reports shall include at a minimum:

   a. Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

   b. Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

   c. A description of the actions taken to implement a quality improvement plan (QIP) during the reporting period as specified in 40 CFR 64.8. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

   (9 VAC 5-80-110 F and 40 CFR 64.9(a))

IV. Fuel Burning Equipment Requirements – (Auxiliary Generator- 110)

A. Limitations

1. Emissions from the auxiliary generator (Unit 110) shall be controlled by a restriction on fuel oil usage and by good combustion operating practices.
(9 VAC 5-80-110 and Condition 8 of NSR permit effective July 1, 2008)

2. The approved fuel for the auxiliary generator (Unit 110) is No. 2 fuel oil. A change in this fuel may require a permit to modify and operate.
(9 VAC 5-80-10 and Condition 22 of NSR permit effective July 1, 2008)

3. The maximum sulfur content of the No. 2 fuel oil to be burned in the auxiliary generator (Unit 110) shall not exceed 0.3 percent by weight. The permittee shall maintain records of all fuel oil shipments purchased. These records shall be made available on site for inspection by Department personnel. They shall be kept on file for the most current five-year period.
(9 VAC 5-80-110 and Condition 23 of NSR permit effective July 1, 2008)

4. The auxiliary generator (Unit 110) shall consume no more than 24,000 gallons of No. 2 fuel oil per year. The permittee shall maintain an operating log including the amount of No. 2 fuel oil burned in the auxiliary generator each day. The log shall be available on site for inspection by Department personnel, and shall be kept on file for the most current five-year period.
(9 VAC 5-80-110 and Condition 12 of NSR permit effective July 1, 2008)

5. In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment, air pollution control equipment or monitoring equipment, the permittee shall:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-schedules maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

   b. Maintain a spare parts inventory for equipment associated with all air pollution control and monitoring equipment to minimize down time during periods of malfunction.

   If such failure, malfunction, or unscheduled maintenance is unreasonably affecting the public health, safety or welfare, the South Central Regional Office may order the permittee to cease such pollution immediately.
   (9 VAC 5-80-110 and Condition 27 of NSR permit effective July 1, 2008)

6. Emissions from the operation of the auxiliary diesel generator (Unit 110) shall not exceed the limits specified below:

	$lb/10^6Btu$	lb/hr	ton/yr*	
Particulate Matter	0.36	5.3	0.61	(9 VAC 5-50-260)

PM-10	0.36	5.3	0.61	(9 VAC 5-50-260)
Sulfur Dioxide**	0.30	4.4	0.51	(9 VAC 5-50-260)
Nitrogen Oxides (as NO_2)	4.51	66.2	7.69	(9 VAC 5-50-260)
Carbon Monoxide	0.97	14.2	1.66	(9 VAC 5-50-260)
Volatile Organic Compounds	0.36	5.3	0.61	(9 VAC 5-50-260)
Lead	1.5×10^{-5}	2.2×10^{-4}	2.6×10^{-5}	(9 VAC 5-50-260)

* Ton/yr calculated monthly as the sum of each consecutive 12 month period.
**SO_2 emissions are based on 0.3 percent sulfur (by weight) fuel

(9 VAC 5-80-110 and Condition 16 of NSR permit effective July 1, 2008)

7. Visible emissions from the auxiliary generator (Unit 110) stack shall not exceed ten (10) percent opacity as would be determined by EPA Method 9 (ref. 40 CFR 60, App. A)
(9 VAC 5-80-110 and Condition 19 of NSR permit effective July 1, 2008)

B. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

   a. The annual consumption of distillate oil (in 1000 gallons) for the auxiliary generator (Unit 110). The annual consumption shall be calculated monthly as the sum of each consecutive twelve (12) month period.

   b. The sulfur content per shipment of the No. 2 fuel oil burned in the auxiliary generator (Unit 110), as required by Condition IV.A.3.

   c. Records of all scheduled and non-scheduled maintenance as required by condition V.A.7.

d. The permittee shall maintain records of the pollutant specific emission factors, "F" factor, and the equations used to determine compliance with the emissions limits in Condition A.6.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent (5) years.

(9 VAC 5-80-110 and Condition 30 of NSR permit effective July 1, 2008)

2. The permittee shall maintain records of the required training including a statement of time, place and nature training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the auxiliary generator. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.

(9 VAC 5-80-110 and Condition 31 of NSR permit effective July 1, 2008)

C. Testing

The generator (Unit 110) shall be constructed to allow for emissions testing at any time using appropriate methods upon reasonable notice at any time.
(9 VAC 5-80-110 and Condition 29 of NSR permit effective July 1, 2008)

D. Reporting

Upon request of the Department, the permittee shall provide reports in a manner and form and using procedures acceptable to the board.
(9 VAC 5-50-50 and 9 VAC 5-80-110)

V. Process Equipment Requirements – (Miscellaneous Facility Equipment)

A. Limitations

1. Fugitive dust emissions from wood unloading, feeding, and conveying, shall be controlled by use of feedstock containing no sander dust, covered conveyors, enclosed transfer points, and use of a spray mist system as necessary to comply with the opacity limitations stated in Condition V.A.2, below of this permit. Wood chipping operations shall be fully enclosed.
(9 VAC 5-80-110 and Condition 4 of NSR permit effective July 1, 2008)

2. Visible emissions from all emission points (except those on the main boilers and auxiliary generator) shall not exceed the following limits:

Transfer Points	15 percent opacity

Fabric Filters	5 percent opacity
All Other Points	10 percent opacity

(9 VAC 5-80-110 and Condition 19 of NSR permit effective July 1, 2008)

3. Particulate emissions from the ash handling operations listed below shall meet the emission limitations listed below. These values are included for modeling and emission inventory purposes. Compliance will be determined as stated in the opacity requirements contained in Condition V.A.2, above of this permit.

Ash Silo Dust Collector	2.90×10^{-3} lb/hr
Ash Transfer to Unloading Trucks	3.36×10^{-4} lb/hr

(9 VAC 5-80-110 and Condition 17 of NSR permit effective July 1, 2008)

4. Particulate emissions from the ash storage silo (Unit 301) shall be controlled by a fabric filter with a rated efficiency of at least 99.9 percent. Fugitive dust from ash transfer to trucks shall be controlled by mixing the ash discharge with water.
(9 VAC 5-80-110 and Condition 5 of NSR permit effective July 1, 2008)

5. Wood stockpiles shall be moistened or treated (wet suppression and surfactant) and the stockpile surfaces shall be kept moist or treated as necessary to comply with the opacity requirements contained Condition V.A.2, above, of this permit and to minimize emissions during storage and handling.
(9 VAC 5-80-110 and Condition 6 of NSR permit effective July 1, 2008)

6. Volatile organic compound emissions from the No. 2 fuel oil storage tanks shall be controlled by the use of submerged or bottom fill loading and conservation vents.
(9 VAC 5-80-110 and Condition 10 of NSR permit effective July 1, 2008)

7. In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment, air pollution control equipment, or monitoring equipment, the permittee shall:

   a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

   b. Maintain an inventory of spare parts that are needed to minimize duration of such equipment breakdowns.

   If such failure, malfunction, or unscheduled maintenance is unreasonably affecting the public health, safety or welfare, the Department (South Central Regional Office)

may order the permittee to cease such pollution immediately.
(9 VAC 5-80-110 and Condition 27 of NSR permit effective July 1, 2008)

B. Periodic Monitoring

At least one time per week an observation of the presence of visible emissions from the wood and ash handling equipment shall be made. The presence of visible emissions shall require the permittee to:

1. Take timely corrective action such that the equipment resumes operation with no visible emissions, or,

2. Conduct a visible emission evaluation (VEE) on the wood and ash handling equipment in accordance with EPA Method 9 (reference 40 CFR 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the fabric filter is less than 5 percent opacity, any transfer point is less than 15 percent opacity or any other point is less than 10 percent opacity. If any of the observations exceed the allowable limits listed in Condition V.A.2, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the unit resumes operation within the 10 percent opacity limit.

3. If visible emissions inspections conducted during twelve (12) consecutive weeks show no visible emissions for a particular unit, the permittee may reduce the monitoring frequency to once per month for the unit. Anytime the monthly visible emissions inspections show visible emissions, or when requested by DEQ, the monitoring frequency shall be increased to once per week for the stack.

The permittee shall maintain an equipment observation log to demonstrate compliance. The log shall include the date and time of the observations, the name of the observer, and whether or not there were visible emissions, the results of all VEEs, and any necessary corrective action. If the equipment has not been operated during the week, it shall be noted in the log book and that a visual observation was not required.
(9 VAC 5-80-110 E)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, South Central Regional Office. These records shall include, but are not limited to:

   a. Records of all scheduled and non-scheduled maintenance as required by Condition V.A.7.a.

b. Records of visible emissions and opacity observations for wood and ash handling equipment as required by Condition V.B.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110 and Condition 30 of NSR permit effective July 1, 2008)

D. Reporting

Upon request of the Department, the permittee shall provide reports in a manner and form and using procedures acceptable to the board.
(9 VAC 5-50-50 and 9 VAC 5-80-110)

VI. Facility Wide Conditions

A. New source standard for visible emissions

Unless otherwise specified in this permit, on or after the date on which the performance test required to be conducted by 9 VAC 5-50-30 is completed, no owner or other person shall cause or permit to be discharged into the atmosphere from any affected facility any visible emissions which exhibit greater than 20% opacity, except for one six-minute period in any one hour of not more than 30% opacity as would be determined by EPA Method 9 (reference 40 CFR 60, Appendix A). Failure to meet the requirements of this section because of the presence of water vapor shall not be a violation of this section.
(9 VAC 5-50-80 and 9 VAC 5-80-110)

B. Operating Procedures

1. Fugitive emissions from all external access roads shall be controlled by paving. Fugitive emissions from all paved facility roads shall be controlled through sweeping or roadway washing. Emissions from unpaved roads shall be controlled by wetting as necessary. If operating mechanical sweepers, water shall be used to suppress dust during operation.
(9 VAC 5-50-90 and Condition 9 of NSR permit effective July 1, 2008)

2. The permittee shall develop, maintain, and have available to all operators good written operating procedures for all air pollution control equipment. A maintenance schedule for all such equipment shall be established and made available to the South Central Regional Office for review. Records of service and maintenance shall be maintained on site by the permittee for the most current five-year period.
(9 VAC 5-80-110 and Condition 31 of NSR permit effective July 1, 2008)

3. In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment, air pollution control equipment or monitoring equipment, the permittee shall:

a. Develop a maintenance schedule and maintain records of all scheduled and non-schedules maintenance. These records shall be maintained on site for a period of five (5) years and shall be made available to DEQ personnel upon request.

b. Maintain a spare parts inventory for equipment associated with all air pollution control and monitoring equipment to minimize down time during periods of malfunction.

If such failure, malfunction, or unscheduled maintenance is unreasonably affecting the public health, safety or welfare, the South Central Regional Office may order the permittee to cease such pollution immediately.
(9 VAC 5-80-110 and Condition 27 of NSR permit effective July 1, 2008)

C. Physical Security

A physical barrier shall be installed at the property line that shall restrict public access to the property.
(9 VAC 5-80-110 and Condition 28 of NSR permit effective July 1, 2008)

VII. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation (9 VAC_)	Pollutant Emitted (9 VAC 5-80-720 B)	Rated Capacity* (9 VAC 5-80-720 C)
111	Diesel Fire Pump	5-80-1720C1		<645HP & <500 hr/yr
121, 122	(2) #2 fuel oil tanks	5-80-720 B.2	VOC	10,000 gallons each
123	#2 oil tank	5-80-720-B.2	VOC	200 gallons
124	#2 oil tank	5-80-720-B.2	VOC	500 gallons
201	Wood stockpile	5-80-720 B.1	PM	85,000 tons
202	2 Wood reclaim pit vent fans	5-80-720 B.1	PM	5 h.p.
203	Wood conveyance	5-80-720 B.1	PM	360 ton/hr
301	Ash silo fabric filter	5-80-720 B.1	PM	3.5 ton/hr
302	Ash loading	5-80-720 B.1	PM	3.5 ton/hr
303	Bottom ash	5-80-720 B.1	PM	0.5 ton/hr
501	Solvent-based parts washer	5-80-720 B.2	VOC	5 gallons

Emission Unit No.	Emission Unit Description	Citation (9 VAC_)	Pollutant Emitted (9 VAC 5-80-720 B)	Rated Capacity* (9 VAC 5-80-720 C)
	(non-halogenated)			

* Rated Capacity is for informational purposes and does not represent a limitation.

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

VIII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
None		

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.

(9 VAC 5-80-140)

IX. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.

(9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for

renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

e. The results of such analyses.

f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

      (1) Exceedance of emissions limitations or operational restrictions;

      (2) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

      (3) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.”

   (9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation

standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

7. One copy of the annual compliance certification shall be sent to EPA at the following address:

   Clean Air Act Title V Compliance Certification (3AP00)
   U.S. Environmental Protection Agency, Region III
   1650 Arch Street
   Philadelphia, PA 19103-2029

(9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, South Central Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition IX.C.3 of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, South Central Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, South Central Regional Office.

1. The emission units that have continuous monitors subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not subject to the 14 day written notification.

2. The emission units subject to the reporting and the procedure requirements of 9 VAC 5-40-50 C and the procedures of 9 VAC 5-50-50 C are the three spreader stoker wood-fired boilers (Units 101, 102, and 103).

3. Each owner required to install a continuous monitoring system (CMS) or monitoring device subject to 9 VAC 5-40-41 or 9 VAC 5-50-410 shall submit a written report of excess emissions (as defined in the applicable subpart in 9 VAC 5-50-410) and either a monitoring systems performance report or a summary report form, or both, to the board semiannually. All semi-annual reports shall be postmarked by the 30th day following the end of each calendar semi-annual period (June 30th and January 30th). All reports shall include the following information:

    a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h) or 9 VAC 5-40-41 B.6, any conversion factors used, and the date and time of commencement and completion of each period of excess emissions;

    b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the source. The nature and cause of any malfunction (if known), the corrective action taken or preventative measures adopted;

    c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks and the nature of the system repairs or adjustments; and

d. When no excess emissions have occurred or the continuous monitoring systems have not been inoperative, repaired or adjusted, such information shall be stated in the report.

All malfunctions of emission units not subject to 9 VAC 5-40-50 C and 9 VAC 5-50-50 C require written reports within 14 days of the discovery of the malfunction.
(9 VAC 5-20-180 C, 9 VAC 5-80-50-50, and 40 CFR 60.13(h))

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.

(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.

(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.

(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.

(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for

modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.

(9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.

   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.

(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

(9 VAC 5-50-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.

(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.

(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
   (9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
   (9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the

Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.

(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

   d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.

(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.

(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.

(40 CFR Part 82, Subparts A-F)

Y. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.

(40 CFR Part 68)

Z. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.

(9 VAC 5-80-110 I)

AA. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for

trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

Attachment A: Compliance Assurance Monitoring Plan

Emission Unit	**Boilers (Units 101, 102, and 103)**
Description	Three spreader stoker wood-fired boilers
Control Device	Multiclone followed by electrostatic precipitators
Applicable Requirement	9 VAC 5-80-1800
Regulated Pollutant	PM10
Emission Limit	PM-10 - 0.02 lbs/10^6 Btu and 7.47 lbs/hr each boiler
I. CAM Indicator	Opacity.
Measurement Approach	Continuous opacity monitor (COMS)
Monitoring Frequency	Continuous
Justification	COMS satisfies applicable monitoring requirements and performance specifications as specified in 40 CFR 64.3, "Special criteria for the use of continuous emission, opacity or predictive monitoring systems".
II. Indicator Range	Continuous operation between 0% - 10% opacity per hour. Excursion is one six-minute period > 10% opacity.
III. Performance Criteria Data Representativeness	Location and installation of monitors is per 40 CFR 60, Appendix B, Performance Specification 1 (PS-1).
QA/QC Practices and Criteria	COMS was installed and evaluated in accordance with PS-1. Zero and span drift are checked daily and annual filter audits are performed in accordance with PS-1.
Data Collection Procedures	Data are collected by computerized data acquisition and handling system (DAHS). The system collects and retains all relevant opacity data.
Averaging period	Six-minute block basis.

Emission Unit	**Boilers (Units 101, 102, and 103)**
Description	Three spreader stoker wood-fired boilers
Control Device	Multiclone followed by electrostatic precipitators
Applicable Requirement	9 VAC 5-80-1800
Regulated Pollutant	PM-10
Emission Limit	PM-10 - 0.02 lbs/10^6 Btu and 7.47 lbs/hr each boiler
I. CAM Indicator	Operational Status of Equipment
Measurement Approach	Supplemental steps to be taken in the event an opacity excursion is observed: • Determine that each precipitator field is energized, including the controls and ash handling • Check ash removal from the multiclone • Determine that the fly ash reinjection system is operating • Check boiler outlet oxygen level • Check operational parameters that are inputs/outputs of the combustion control system (air flows, steam flow, damper positions, etc.) • Check fuel quality (moisture and/or sizing) • Check condition of the ash bed on the boiler grate • Check for operating activities that may be contributing to excess opacity such as grate blowing or soot blowing, boiler trips, etc.
Monitoring Frequency	As needed.
Justification	These steps are supplemental to the primary indicator of opacity and are taken to determine which of the three boilers may be causing an opacity excursion.
II. Indicator Range	Varies; these are work practices.
III. Performance Criteria Data Representativeness	NA. COMS satisfy 40 CFR 64.3(b).
QA/QC Practices and Criteria	NA
Data Collection Procedures	Events and corrective actions are logged as needed.
Averaging period	NA